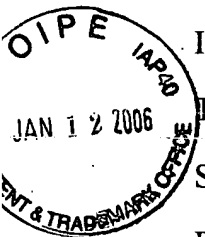


ZFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re Patent Application of

TAJIRI, M.

Atty. Ref.: 4074-10

Serial No. 10/700,467

Group: 2827

Filed: November 5, 2003

Examiner: Lam, D.

For: NONVOLATILE VARIABLE RESISTOR, MEMORY  
DEVICE, AND SCALING METHOD OF NONVOLATILE  
VARIABLE RESISTOR

\* \* \* \* \*

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

- |                                     |    |   |          |
|-------------------------------------|----|---|----------|
| <input type="checkbox"/>            | 1. | <b>PTO-1449 Pursuant to 37 CFR 1.97(b)</b><br>[within 3 months of filing or prior to 1st Office Action] | N/C      |
| <input checked="" type="checkbox"/> | 2. | <b>Statement Pursuant to 37 CFR 1.97(c)</b><br>[before Final Office Action or Allowance]                | N/C      |
| <input type="checkbox"/>            | 3. | <b>Fee Payment Pursuant to 37 CFR 1.97(c)</b><br>[before Final Office Action or Allowance]              | \$180.00 |
| <input type="checkbox"/>            | 4. | <b>Pursuant to 37 CFR 1.97(d)</b><br>[before Issue Fee payment]   | \$180.00 |

The following are submitted in the above-identified application in compliance with 37  
C.F.R. §§ 1.97 and 1.98:


- |                                     |    |   |  |
|-------------------------------------|----|---|--|
| <input checked="" type="checkbox"/> | 5. | A list of documents on Form PTO-1449 together with copies of each<br>identified document and a translation or a concise explanation of each non-<br>English language document is enclosed herewith. |  |
| <input checked="" type="checkbox"/> | a) | Copies of U.S. Patents and Publications are not required and are not attached.  |  |
| <input checked="" type="checkbox"/> | b) | The U.S. 6,204,139 referenced cited in the Search Report was previously<br>submitted with the IDS filed November 5, 2003.   |  |

This paper is submitted in accordance with:

- ☐ 6. 37 CFR 1.97(b): [within 3 months of filing or prior to 1st Office Action]
- ☒ 7. 37 CFR 1.97(c): [before Final Office Action or Allowance, whichever is earlier]; and
- ☒ a) The required Statement made in item 9 below; or
- ☐ b) The \$180.00 fee specified in 37 CFR §1.17(p) for submission of this Information Disclosure Statement is authorized in item 10 below.
- ☐ 8. 37 CFR §1.97(d): [before issue fee payment]; and
- ☐ a) The fee (\$180.00) required by 37 CFR §1.17(p) is submitted herewith; and
- ☐ b) The required Statement is stated in item 9 below.
- ☒ 9. Statement under 37 CFR 1.97(e)
- ☒ a) The undersigned attorney of record hereby certifies under 37 C.F.R. §1.97(e) that each item of information contained in this Information Disclosure Statement was first cited in a European Search Report mailed December 9, 2005 from the European Patent Office in the counterpart European application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ b) No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement, after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.
- ☒ 10. Please charge all deficiency fees associated with the submission of this Information Disclosure Statement and any other fees applicable to this application to Deposit Account No. 14-1140. An original and one (1) copy of this document are enclosed.

Respectfully submitted,  
NIXON & VANDERHYE P.C.

January 12, 2006

By:   
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**INFORMATION DISCLOSURE  
CITATION**

ATTY. DOCKET NO.

SERIAL NO.

4074-10

10/700,467

APPLICANT

TAJIRI, M.

FILING DATE

GROUP

November 5, 2003

2827

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,031,287	2-2000	Harshfield et al.			

**FOREIGN PATENT DOCUMENTS**

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
00/57498 A	9-2000	WO			

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)**

	European Search Report mailed December 5, 2005 in corresponding EP application no. 03025694.5-2203
	Patent Abstracts of Japan, vol. 014, no. 553 (E-1010), 7 December 1990 & JP 02 238659 A (Seiko Epson Corp.), 20 September 1990
	Liu et al, "Electric-Pulse-Induced Reversible Resistance Change Effect in Magnetoresistive Films", Applied Physics Letters, AIP, American Institute of Physics, Melville, NY, vol. 76, no. 19, 8 May 2000, pp. 2749-2751
	Hao et al, "Electronic Transport and Magnetic Properties in $(La_{1-x}Gd_x)_{0.67}Ca_{0.33}MnO_3$ Perovskites" Materials Science and Engineering B83 (2001), pp. 70-73

*Examiner	Date Considered
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Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)